

PTA Benefits Analysis: Exercise #1 (HCAO 1-01)

Actual Cost of Care ROI Savings:

Exercise #1 (HCAO 1-01) Highlights

- 29 Patient Ground Evacuations Avoided
- 90 % "SUCCESS" Rate
- 11 evacuations were due to lack of technician and temporary removal of x-ray machine
- Allowed for increased diagnostic certainty in sinus evaluation, patient shipped to TAMC directly: avoided visit at Hilo

Savings (HCAO 1-01 exercise #1 only):

Total Business Cost Savings, Ground Evac: \$ 16,837

Total Medical Cost Savings, Ground Evac: \$ 38,500

TOTAL ACTUAL ECONOMIC SAVINGS, Exercise # 1: \$ 55,337

Actual Quality of Care ROI = POSITIVE

- (1) DECREASE in Time to diagnosis
- (2) INCREASE in Quality of care & quality of diagnosis due to use of specialist consults, increased information available to providers
- (3) Patient Information available at point of care & time of care for further consults

Actual Access to Care ROI = POSITIVE, DECREASE in Time to diagnosis and treat.

Actual Readiness ROI = POSITIVE, INCREASED readiness of troops through proper care at point of care.

Actual PTA Qualitative Benefits

- Conquering isolation from geographical barriers
- Increasing the applicable knowledge base at point of care through teleconsultation
- Increasing overall medical knowledge through distance learning & mentorship
- Decreasing the cost of care through reduced medical evacuations
- Increasing the quality of care through extended medical services
- Increasing access to care through teleconsultations with specialists
- Expediting access to care through direct teleconsultation
- Increasing troop readiness through implementation of increased quality care

Original Projected Cost of Care ROI = 7.3 % Average ROI over 5 yr. life cycle

Annual Savings:	(1)	2 saved air evacuations	
			\$ 4,267 mean transportation cost
			\$ 600 mean care costs
			\$ 49,321 lost training costs
			\$108,335 economic return

(2)	-1 saved ground evacuations	
		(\$ 2,128) economic return

Original Projected Annual Economic Savings: \$ 104,936

Original Projected 5-year Economic Savings: \$ 524,680